

RECOMBINANT HUMAN METAPNEUMOVIRUS AND ITS USE**Abstract**

5 Recombinant HMPV (rHMPV) and related immunogenic compositions and methods are
provided. The rHMPVs, including chimeric and chimeric HMPV vector viruses, provided according
to the current disclosure are infectious and attenuated in permissive mammalian subjects, including
humans. The rHMPVs are useful in immunogenic compositions for eliciting an immune response
against HPIV, against one or more non-HMPV pathogens, or against a HMPV and a non-HMPV
10 pathogen. Also provided are isolated polynucleotide molecules and vectors incorporating a
recombinant HMPV genome or antigenome.